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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/521,558

01/19/2005

Kennichiro Hotokeishi

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EXAMINER

DICKER, DENNIS T

ART UNIT

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/521,558	Applicant(s) HOTOKEISHI, KENNICHIRO	
	Examiner DENNIS DICKER	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 July 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 January 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/2/2008</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Amendment received 6/4/2008 has been entered
2. Information disclosure statement received 7/2/2008 has been entered.

Response to Arguments

3. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kikuchi Yukiko (hereinafter "Yukiko '516" JP 06-266516) in view of Tsukada (hereinafter "Tsukada '892" US PUB 2002/0063892) and further in view of Usui (hereinafter "Usui '275" US PUB 2002/0186275).
6. With respect to **Claim 1**, Yukiko '516 teaches a network printing system with a plurality of printing devices connected to a network (**i.e., Para 0005, computer comprising a plurality of printing devices connected to a network**), the system comprising: the plurality of printing devices (**i.e., Para 0005, plurality of printing devices in a system**); and a network device (**i.e., Para 0005 , Computer**) for

converting print-request data sent from a print requester into a format for a specified printing device to create print data (**i.e., Para 0005, computer uses conversion means for formatting print file data for a specified printing device**) and transmitting the print data to the specified printing device via the network (**i.e., Para 0005, print data converted by conversion means is transmitted to a specified printing device**), wherein the network device comprises: a device information storage section (**i.e., Para 0008, attribute value storage part**) for storing device information (**i.e., Para 0008, attribute value storage part memorizes attribute value data**); and a format converting section (**i.e., Para 0008, file conversion treating part[13]**) for converting print-request data into a print format for a specified printing device (**i.e., Para 0008, print file is converted by the conversion treating part into a page description language of a specific printing device**).

Yukiko '516 does not explicitly teach storing device representing print specifications for the plurality of printing devices and a document definition file storage section for storing one or more document definition files representing one or more layouts for one or more documents and converting print request data based on the document definition file specified in the print-request data and the device information of the ***specified*** printing device

However, the mentioned claimed limitations are well known in the art as evidenced by Tsukada '892, In particular, Tsukada '892 teaches the use of a document definition file storage section (**i.e., 108 of Fig. 1, Form template storage unit**) for storing one or more document definition files representing one or more layouts for one

or more documents (**i.e., Para 0013, 0044, 0065-0066, form templates are stored and used as layouts for documents and a template is retrieved for a specific document)** and Usui '275 teaches storing device representing print specifications for the plurality of printing devices (**i.e., 14 of Fig. 1 and Para 0068, print specification storage unit for retrieving print specifications from a plurality of devices [Para 0122] and storing them)** and converting print request data based on the document definition file specified in the print-request data and the device information of the *specified* printing device (**i.e., Para 0063, print request data is carried out on a specific device based on printer specification and a print specification).**

In view of this, it would have been obvious to one having ordinary skill in the art at the time of invention was made to modify the printing system of Yukiko '516 as taught by Tsukada '892 and Usui '275 that such a modification would provide an efficient print system that satisfies a users request as mentioned in Para 0021 of Usui '275 which states that such a modification would provide a reduce length of time required for delivering print mediums to delivery destinations and provide a print medium that meets a request from an individual client.

With respect to **Claim 2**, Yukiko '516 teaches a network printing system wherein the network device (**i.e., Para 0007, server**) acquires the device information of the printing devices via the network (**i.e., Para 0008, server acquires the device information of printer devices which are described by the profiles**) and stores the device information in the device information storage section (**i.e., Para 0008, attribute value storage part stores device information).**

With respect to **Claim 3**, Yukiko '516 teaches a network printing system further comprising a client device (**i.e., Para 0007, Client Computer**) that registers a document definition file in the network device via the network (**i.e., Para 0007, the client computer registers the document definition file in the network device [server]**) and transmits the print-request data to the network device via the network (**i.e., Para 0008, the client computer transmits the print request data to the server via the network**).

With respect to **Claim 4**, Yukiko '516 teaches a network printing system, wherein the format converting section calculates a printable area of the specified printing device based on the device information (**i.e., Para 0008, format conversion section calculates the printable area based on a device information [profile]**), and calculates a print position of each item defined in the document definition file with reference to the printable area (**i.e., Para 0009-0008 , actual calculating of a print position for each item is indicated in the “actual print-out” section of the document definition file [profile] which has reference to the printable area**).

With respect to **Claim 5**, Yukiko '516 teaches The network printing system, wherein the network device determines whether the specified printing device is available for printing (**i.e., Para 0018 , the server comprising a file transfer processing part obtains a parameter which could determine the availability of a printer device**), and if the specified printing device is not available for printing then uses device information of an alternative printing device to create the print data and transmits the print data to the alternative printing device (**i.e., Para 0018, the parameter**

may determine the availability of a printer device and if printer device is not available an alternative printer indicated by the language format file is selected to output the converted print data).

With regards to the network printing device of **Claim 6**, the limitations of the claim 6 are corrected by limitations of claim 1 above. The steps of claim 6 read into the function steps of claim 1.

With regards to the network printing device of **Claim 7**, the limitations of the claim 7 are corrected by limitations of claim 2 above. The steps of claim 7 read into the function steps of claim 2.

With respect to **Claim 8**, Yukiko '516 teaches a network printing device wherein the network printing device is connected to a client device (**i.e., Para 0007 and Drawing 3, Client Computer connected to a network printing device**) that registers the document definition file via the network (**i.e., Para 0007, the client computer registers the document definition file in the network device [server]**) and transmits the print-request data via the network (**i.e., Para 0008, the client computer transmits the print request data to the server via the network**).

With regards to the network printing device of **Claim 9**, the limitations of the claim 9 are corrected by limitations of claim 4 above. The steps of claim 9 read into the function steps of claim 4.

With regards to the network printing device of **Claim 10**, the limitations of the claim 10 are corrected by limitations of claim 5 above. The steps of claim 10 read into the function steps of claim 5.

With regards to the network printing method of **Claim 11**, the limitations of the claim 11 are corrected by limitations of claim 1 above. The steps of claim 11 read into the function steps of claim 1.

With respect to **Claim 12**, Yukiko '516 teaches a network printing method further comprising: acquiring the device information of the printing devices via the network (**i.e., Para 0008, server acquires the device information of printer devices which are described by the profiles**) and storing the device information in the device information storage section (**i.e., Para 0008, attribute value storage part stores device information**)..

With respect to **Claim 13**, Yukiko '516 teaches a network printing method, further comprising: registering the document definition file in the network device from a client device via the network (**i.e., Para 0007, the client computer registers the document definition file in the network device [server]**); and transmitting the print-request data from the client device via the network (**i.e., Para 0008, the client computer transmits the print request data to the server via the network**)..

With respect to **Claim 14**, Yukiko '516 teaches a network printing method, wherein format conversion comprises: calculating a printable area of the specified printing device based on the device information (**i.e., Para 0008, format conversion section calculates the printable area based on the device information [profile]**); and calculating a print position of each item defined in the document definition file with reference to the printable area (**i.e., Para 0009-0008 , actual calculating of a print**

position for each item is indicated in the “actual print-out” section of the document definition file [profile] which has reference to the printable area)..

With respect to **Claim 15**, Yukiko '516 teaches a network printing method, further comprising: determining whether the specified printing device is available for printing **(i.e., Para 0018 , the server comprising a file transfer processing part obtains a parameter which could determine the availability of a printer device)**; and if the specified printing device is not available for printing, creating the print data using device information of an alternative printing device and transmitting print data to the alternative printing device **(i.e., Para 0018, the parameter may determine the availability of a printer device and if printer device is not available an alternative printer determined by the language format file is selected to output the converted print data).**

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DENNIS DICKER whose telephone number is (571)270-3140. The examiner can normally be reached on Monday -Thursday 7:30 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler Haskins can be reached on (571) 272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. D./
Examiner, Art Unit 2625
7/31/2008

/Twyler L. Haskins/
Supervisory Patent Examiner, Art Unit 2625